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Order from OTS or SLA $3.60 61-28836

Trans. of Akad[emiya] Nauk SSSR. Otdelenie Tekh[nicheskikh] Nayk. Izvestiya, 1957, no. 8, p. 20-34.

DESCRIPTORS: *Plasticity, *Elasticity, Cylindrical bodies, Elastic shells, Metals, Stresses, Deformation

The theory of heterogeneous elastic-plastic bodies is applied to the problem of an heterogeneous, hollow, eccentric, cut cylinder and to the adjacent problem of the heterogeneous half-plane with a circular opening. Some of its further applications are briefly examined.

(Physics--Solid State, TT, v. 7, no. 8)

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The Feasibility of Using Ultrasound for Freeing Mineral Particles of the Absorbed Layer of Reagents in the Flotation Process for Ore Beneficiation, by V. A. Glembotskiy, et al. RUSSIAN, per, Izv Akad Nauk SSSR, Otdel Tekh Nauk, No 10, 1957, pp 111-112.
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THE FEASIBILITY OF USING ULTRASOUND FOR FREEING MINERAL PARTICLES FOR THE ADSORBED LAYER OF REAGENTS IN THE FLOTATION PROCESS FOR ORE BENEFICIATION [O Vozmozhnosti Primeneniya Ul'trazvuka dlya Osvobozhdeniya Chastits Mineralov ot Adsorbtsionnykh Pokrytiy Reagentov pri Flotatsionnom Obogashchenii Poleznykh Iskopayemykh]. [1961] 3p.
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RT - 3337

(Metallurgy, TT, v. 5 no. 10)

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1. Ultrasonic radiation--Applications
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Compressed Hydrocarbon Gases as Solvents for Petroleum and Petroleum Residues, Part 1, by T. P. Zhuze, G. N. Yushkevich, 7pp

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ATS RJ-1586 84K24R

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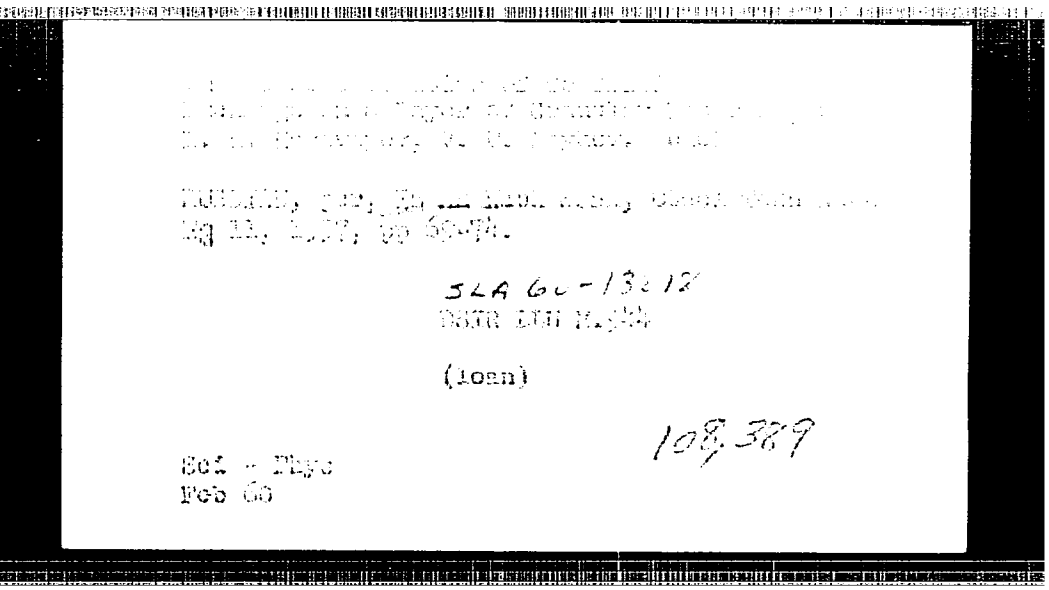

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Ber, L. E.
CONTRIBUTION À LA THÉORIE DE LA CONVECTION THERMOGRAVITATIONNELLE EN RÉGIME TURBULENT [K Teorii Termogravitatsionnoi Konvektsii v Usloviyakh Turbulentnogo Rezhima] [On the Theory of Thermo-Gravitational Convection Under Conditions of Turbulence] tr. by M. B. Vinogradoff. 15 Dec 59 [18]p. 4 refs. CEA Trans. no. R 786 (text in French).
Order from OTS or SLA $1.60 61-23731

Trans. in French of Akad[emiya] Nauk SSSR. Otdel[enie] Tekh[nicheskikh] Nauk. Izvest[iya] 1957, no. 11, p. 75-83.

DESCRIPTORS: *Convection, *Heat transfer, *Turbulent flow, Conductivity, Thermodynamics, USSR, Theory, Hydrodynamics, Viscosity.

Approximate equations are derived which express the (Physics--Thermodynamics, TT, v. 6, no. 6) (over)

61-23731

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Henry Brutcher Tr

Sc1 - Min/Metals
May 58

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Sci - Chem

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AEC 3465

Sci - Min/Met

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Chief Librarian
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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B. A. Grigor'yev, 13 pp.
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Otdeleniye Tekhnicheskikh Nauk, Moscow, Vol 1,
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RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk, No 1, 1958, pp 11-20.

DSIR LIB M.975

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Sci - Phys; Min/Met
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NCH-202 959 Field 13M

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FINITE DEFLECTIONS OF SANDWICH-TYPE SHELLS WITH RIGID CORES. 1965, 10p. ATS-91S87R.
Order from ATS: $15.75 as ATS91S87R

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1. Associated Technical Services, Inc., East Orange, N. J.

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Sci - Geophys

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*AEC

Geophys
Sci - ~~Phys~~

Oct 58

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AEC /3470

Sci - Nuc Phys

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Infosearch Ltd.

Sci - Phys
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Influence of Ultrasound on the Welding of Heat-Resistant Austenitic Steels, by A. A. Erokhin, et al.
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IRSID 1076
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Henry Brutcher 4299
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Effect of Preliminary Vaporization on Completeness and Stability of Combustion of Atomized (Liquid) Fuel, by V. Ya. Basevich.
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DSIR LLU RTS 1225

(17g. 6d.)

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Sci - Fuels
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Maiorov, S.A. and Slomyanskii, G.A.
DE L'EFFET GYROSCOPIQUE ET DE LA ROTATION DES BILLES DANS LES ROULEMENTS (On the Gyroscopic Effect and Rotation of Balls in Ball Bearing). 16p. 2refs. CNRS-XXV 387.
Order from OTS, ETC or CNRS $0.80 TT-62-26741

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no. 2, p. 58-63.

DESCRIPTORS: *Ball bearings, Rotation, Gyroscopes, Theory.

(Machinery--Machine Parts, TT, v. 11, no. 6)

TT-62-26741

I. Maiorov, S.A.
II. Slomyanskii, G.A.
III. CNRS-XXV 387
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Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Sci - Electronics

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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*DSIR/TCL (no number given)

Sci - Engr, hydraulics
Sci - Mar 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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APPROXIMATION METHOD FOR THE INVESTIGATION OF AUTO-OSCILLATING SYSTEMS IN PRESENCE OF RANDOM ACTIONS NOISES. Aug 60 [19]p.
10 refs.
Order from OTS or SLA $1.60 62-18954

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no. 3, p. 14-24.

DESCRIPTORS: *Oscillators, Automatic, *Oscillation, Nonlinear systems, Linear systems, Control systems, Radio relay systems, Radio interference, Harmonic analysis, Numerical methods and procedures.

(Engineering--Electronic, TT, v. 9, no. 9)

62-18954

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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NASA TT-F-58

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Sci
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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NASA TT F-85
SLA TT-63-14662
OTS TT-62-28204(RUSSIAN to FRENCH)
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Sci-Phys
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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DÉTERMINATION APPROXIMATIVE DE LA CONCENTRATION DES CONTRAINTS DANS UNE BARRE ÉLASTIQUE TENDUE COMPORTANT UNE ENTAILLE (Approximate Determination of Stress Concentrations in an Extended Elastic Bar With a Notch). 21p. 4refs.
CNRS-XV 94.
Order from OTS, ETC or CNRS $0.85 TT-62-28205

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk, Izvestiya, 1958, no.3, p.73-81.

DESCRIPTORS: *Rods, Elasticity, Load distribution, Theory, Equations, Mechanical properties.

(Mechanics, TT, v. 11, no. 6)

TT-62-28205

I. Forsman, N.A.
II. CNRS-XV 94
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BCRA 531

Sci - Min/Metals, Engr 193,726

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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SLA 59-17739

Sci
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Vol 2, No 9

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1958, pp 120, 121.

DSIR LLU RTS 1043

Sci - Chem
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Minis of Def T No 3420
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Sci - Eng
Apr 66 298,573

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Sci

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SLA 60-17380

Sci
OTS, Vol IV, No 3
Oct 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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SLA 60-23527

Sci

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May 62

Vol 4, No 8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1958.

NLL M. 2407

Sci - Phys

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Analysis and Comparison of the Experimental Shapes of Eigen Vibrations of Turbine Blades In Adjustable-Blade Hydroturbines, and of Broad Console Plates, by D. D. Ul'yanitskiy, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1958, pp 41-53.

SLA 60-17364

Sci
Vol IV, No 7
Apr 62

193,883

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Long-Term Strength of Alloy EI-473B Under Complex Stresses, by V. P. Sdobyrev. UMIL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1958, pp 92-97.

DE JR LIU M.1365

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116,517

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May 60

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No 4, 1958, pp 102-109.

NASA TT F-27

NLL [illegible]

Sci - Phys

May 60

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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1958, pp 114-117.

SLA 60-17377

Sci

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Apr 62

Vol IV, No 6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Henry Brutcher 4340
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Sci - Min/met
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RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1958, pp 122, 123.

Henry Brutcher 4378
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Sci - Min/Met

Jan 59

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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NLL RTS 1887

Sci - Electron, Engr

Jul 62

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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DSIR LLL M.1490
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132,346

Sci - Engr

Nov 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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AEC Tr 3928
CIA/FDD x-4705
NSF TT-1

Sci - Nuc Phys

Mar 60

109,489

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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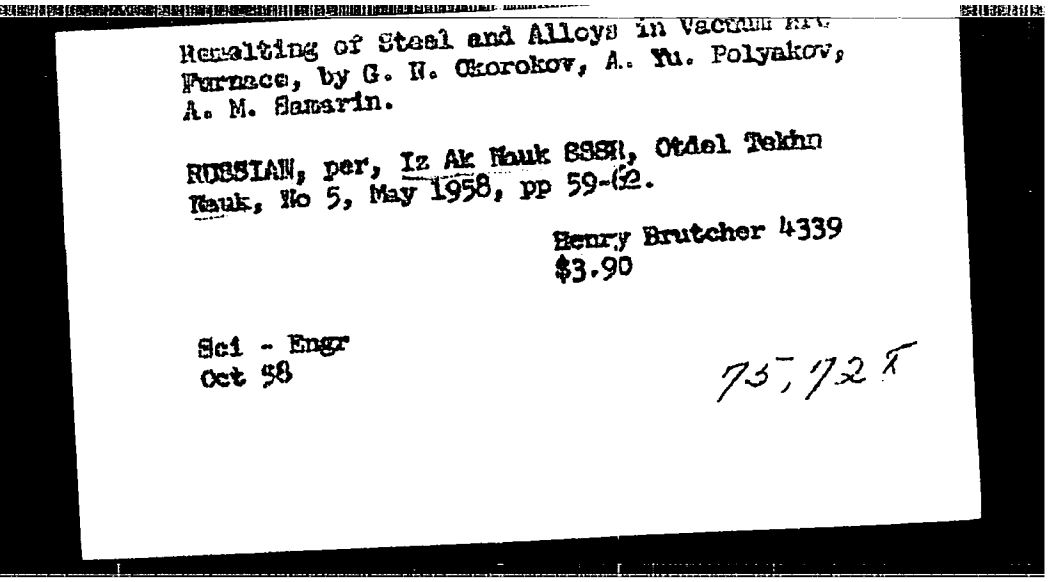

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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk, No 5, May 1958, pp 59-62.

Henry Brutcher 4339
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Sci - Engr
Oct 58

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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The Micromechanism of Brittle Failure in Steel, by B. S. Kasatkin, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1958, pp 63-68. 9660764

ATIC MCL-567/III

Sci - M/M

Apr 61

IC-40429-M

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

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Assoc Tech Serv
83826R

Sci - Engr
May 59
OTS, V I, No 6

86,354

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820061-8

Zhukov, A. M.
CONDITIONS OF DESTRUCTION OF PLASTIC METALS IN A COMPLEX STRESS STATE [Ob Usloviyakh Razrusheniya Plastichnykh Metallov pri Slozhnom Napryazhennom Sostoyanii]. [1963] 7p. 12 refs. Order from OTS or SLA $1.10 63-14660

Trans. of Akad[emiya] Nauk SSSR. Otd[elenie] Tekh[nicheskikh] Nauk. Izv[estiya] 1958, no. 5, p. 110-[115].

DESCRIPTORS: *Failure (Mechanics), *Stresses, Plasticity, *Metals, Deformation, Load distribution, Tests, Mathematical analysis.

(Metallurgy, TT, v. 10, no. 2)

63-14660

I. Zhukov, A. M.

Office of Technical Services

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The Influence of the Kinetics of the [illegible] Combustion Process on the Dimensions of the Oxidation Zone in a Blast Furnace, by N. Ya. Ostroukhov. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1958, pp 3-6.

BISI 1526

(L3 15s.Cd.)

104,555

Sci - Min/Met
Jan 60

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